



Type Approval Certificate

[Welding Consumables]

Initial Approval 9 September 1997

Manufacturer KOBE STEEL, LTD. Fukuchiyama Plant
No.3-36, Osadano-cho, Fukuchiyama city, Kyoto 620-0853, Japan

Product Description Wire-gas combinations for semi-automatic arc welding

– Brand : MG-50/CO₂, MG-50T/CO₂

* See "Appendix 1 & 2"

Approval Condition

1. The product or packing is to be marked with manufacturer name and type designation on a suitable position.
2. Individual Product Certification is not required.
3. Periodical survey is to be carried out at an interval of one(1) year in the presence of the surveyor.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 2, Ch. 2, Sec. 6 of the Rules for Classification of Steel Ships.

This Certificate is valid until 8 September 2027

Issued at Tokyo, Japan on 9 June 2022



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME25015902100) and certificate No.(TKY06000-WD001).



KOREAN REGISTER

Park Mun-su

*General Manager of
Tokyo Branch Office*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Product Description and/or Approval Condition

Date of Issue : 9 June 2022

©Product Descriptions ;

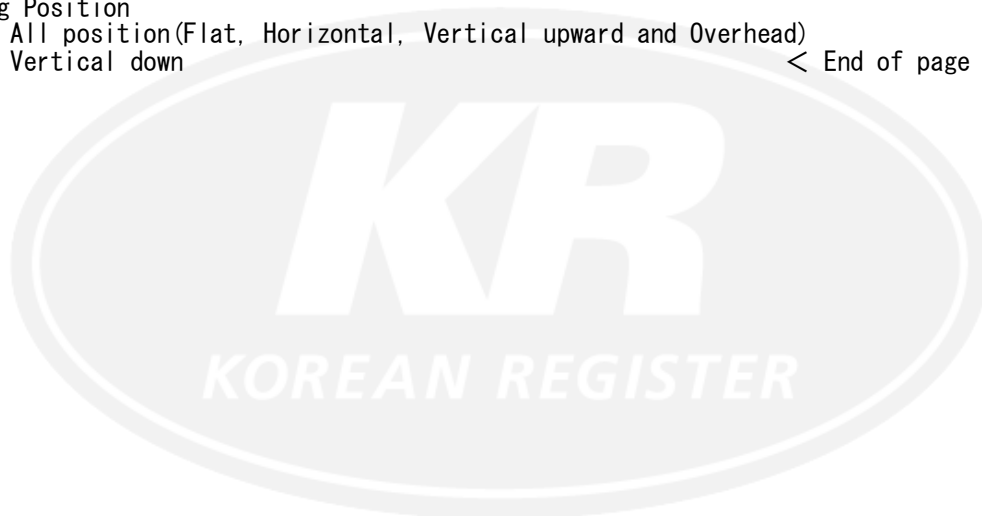
| Brand | Grade | Dia. of Wire (mm) | Welding Position | Current (Polarity) | Shielding Gas |
|------------------------|---------|-------------------|-------------------|--------------------|-----------------|
| MG-50/CO ₂ | 3YSG(C) | 1.2 ~ 1.6 | ALL incl. V.d. | DCEP | CO ₂ |
| MG-50T/CO ₂ | 3YSG(C) | 0.9 ~ 1.6 | ALL incl. V.d. | DCEP | CO ₂ |

* Welding Position

All : All position (Flat, Horizontal, Vertical upward and Overhead)

V.d. : Vertical down

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Endorsement for Periodical Survey

Date of Issue : 9 June 2022

Anniversary Date : 8 September

This is to certify that the product is in compliance with the relevant requirements to obtain/retain the Society's approval in accordance with Pt. 2, Ch. 2, Sec. 6 of the Rules for Classification of Steel Ships. and is valid until 8 September 2023

■ Periodical Survey

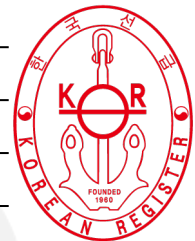
Periodical Survey has been carried out and the product is valid until

8 September 2024

Branch(Office) : Tokyo Branch Office

Date : 9 June 2023

Surveyor : CHOI Sunghwan



■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

8 September 2025

Branch(Office) : Tokyo Branch Office

Date : 17 May 2024

Surveyor : KWON Taekwoo



■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

8 September 2026

Branch(Office) : Tokyo Branch Office

Date : 26 March 2025

Surveyor : _____



■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) : _____

Date : _____

Surveyor : _____

Note : The approval will be automatically suspended and the Certificate become invalid if not endorsed annually within 3 months after the anniversary date of this Certificate